| In | de. | x o | f C | laiı | ทร |  |
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| Application No. | Applicant(s)    |         |
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| 10/674,431      | LANCASTER ET AL | <b></b> |
| Examiner        | Art Unit        |         |
| John Sipos      | 3721            |         |

| 7  | Rejected |
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| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  | A | \ | Appeal   |
|---|--------------|---|---|----------|
| I | Interference |   | ) | Objected |

| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cla   | aim      |               |              |              |          | Dat          | е                                                |          | -        |          |   | Cla | aim      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | [        | Date     | • |          |          |                | ] | CI  |
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| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Final | Original | 9/3/          | ,            |              |          |              |                                                  |          |          |          |   |     | Original | 9/3/5                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 2   1   52   53   54   55   55   55   56   66   66   67   55   56   67   57   88   89   90   56   57   88   99   90   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   60   6                                                                                                                                                                                                                                                                                                     |       |          | ٤             | -            | +            | -        | H            |                                                  |          |          | H        |   |     |          |                                                                            | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -        | -        |   | -        |          | -              |   |     |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |          | i             | t            | T            |          | ┢            |                                                  |          | 1        |          | 1 |     | 52       | ,                                                                          | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |   |          |          | -              | 1 |     |
| 4   5     5   6     7   7     8   8     9   59     10   60     11   61     12   62     13   63     14   64     15   65     16   66     17   66     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   76     27   77     28   78     29   79     30   80     31   81     81   81     82   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     44   94     45   95                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | 3        | П             | $\top$       | Τ            |          |              |                                                  |          |          | П        | 1 |     |          | П                                                                          | İ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                | İ |     |
| 5     6     6     6     6     6     6     6     6     6     7     7     7     7     7     8     8     9     9     56     57     7     8     8     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9                                                                                                                                                                                                                     |       | 4        | П             | Т            | T            | Г        |              |                                                  |          |          |          | 1 |     | 54       | П                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                | 1 |     |
| 7     8     8     8     8     9     58     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9     9                                                                                                                                                                                                                      |       |          | П             | T            | T            |          |              |                                                  | Г        | Π        |          | 1 |     | 55       | T                                                                          | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                | 1 |     |
| 7     8     8     8     9     58     9     10     59     60     11     11     61     61     61     61     61     62     63     63     63     63     63     63     63     63     64     64     64     64     65     65     66     66     66     66     66     66     66     66     67     67     67     68     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     69     70     71     71     71     71                                                                                                                                                     |       | 6        | П             | T            | T            | Ī        |              |                                                  |          | Π        | Г        | 1 |     | 56       | Т                                                                          | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |   |          |          |                | 1 |     |
| 9   10   60   60   61   11   12   13   62   63   64   64   65   66   66   66   66   66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |          | $\Box$        |              |              |          |              |                                                  |          |          |          |   |     | 57       | П                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | 8        | Ц             | $\bot$       |              |          |              |                                                  |          |          |          |   |     | 58       |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 11   12   61   62   62   63   63   64   63   64   65   65   66   66   66   66   66   66   66   66   66   67   67   67   67   67   67   67   68   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   70   71   71   71   71   71   72   73   73   73   74   74   74   74   74   74   74   74   74   74   74   78   78   78   78   78   78   78   78   78   78   78   78   78 <td< td=""><td></td><td>9</td><td>Ц</td><td>1</td><td><math>oxed{oxed}</math></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>59</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>                        |       | 9        | Ц             | 1            | $oxed{oxed}$ |          |              |                                                  |          |          |          |   |     | 59       |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 12   13   62   63   63     14   64   64   64   64   65   66   66   67   67   66   67   67   67   68   68   68   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   69   70   70   71   71   71   72   72   72   72   72   73   73   73   73   74   74   74   74   74   74   74   74   74   74   77   72   73   73   73   73   73   73   73   73   73   73   73   73   73   73   73   73   73   73   73 <t< td=""><td></td><td></td><td></td><td><u>L</u></td><td>L</td><td></td><td><u> </u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td><td></td><td>L</td><td>L</td><td></td><td></td><td></td><td></td><td></td><td>l</td><td></td></t<>                                    |       |          |               | <u>L</u>     | L            |          | <u> </u>     |                                                  |          |          |          |   |     |          | L                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L        |          |   |          |          |                | l |     |
| 13   63     14   64     15   65     16   66     17   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   99     44   94     45   96     47   97     48   99     99   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 11       | _             | ╙_           | $\perp$      | <u> </u> | <u> </u>     | _                                                | _        | L        | _        |   |     | 61       | Ш                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 14   64   65     15   66   65     16   67   67     18   68   69     20   70   70     21   71   71     22   72   73     23   73   74     25   75   75     26   76   77     28   78   79     30   80   80     31   81   82     33   83   83     34   84   84     37   88   88     39   89   99     40   90   90     41   92   93     44   94   94     45   96   97     48   99   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | 12       | L             | ↓_           | <u> </u>     | _        |              | L_                                               |          | <u> </u> | L        |   |     | 62       | Щ                                                                          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Щ        |          |   | _        |          |                |   |     |
| 16   17   66   67   68     18   68   69   69     20   70   71   72   72     21   71   72   73   74   74   74   74   74   75   75   76   77   78   78   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79                                                                                                                                                                                                                                                                                                                |       |          | <u> </u>      | <u> </u>     | ┞            | <u> </u> | L            | <u> </u>                                         | <u> </u> |          | <u> </u> |   |     | 63       | Щ                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u> |          |   | L        | L_       |                |   |     |
| 16   17   66   67   68     18   68   69   69     20   70   71   72   72     21   71   72   73   74   74   74   74   74   75   75   76   77   78   78   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79                                                                                                                                                                                                                                                                                                                |       | 14       | _             | ┺            | <u> </u>     |          | L.           | <u> </u>                                         | _        | _        |          |   |     | 64       | L                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | L        |          |   | _        |          |                |   |     |
| 17   18   68   68     19   68   69   69     20   70   70   70     21   71   72   72     23   73   74   74     24   74   74   74     25   76   77   78     26   76   77   78     28   79   30   80     31   81   81     32   82   83     33   83   83     34   84   84     35   86   86     37   87   88     39   90   90     40   90   90     41   91   92     43   94   94     45   95   96     47   97   98     48   98   99                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |          | _             | 1            | -            | ļ        |              | _                                                |          |          | _        |   |     | 65       | $\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ļ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ш        |          |   | L_       |          |                |   |     |
| 18   19     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 16       | _             | ↓_           |              | <u> </u> | L            | <u> </u>                                         |          | ļ        |          | ļ |     | 66       | 4                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ш                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |   |          |          |                |   | ļ   |
| 19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     47   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |          | ┡             | ╀            | ▙            | ┡        | <u> </u>     | <u> </u>                                         | ļ        | <u> </u> | _        |   |     | 67       | _                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |   |          |          | _              |   |     |
| 20   70     21   71     22   72     73   74     25   75     26   76     27   77     28   78     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     47   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 18       | _             | ╀            | -            | -        | _            | _                                                |          |          |          |   |     | 68       | 1                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |   | _        |          |                |   |     |
| 21   71   72   73   74   75   75   75   75   75   75   75   75   75   75   75   75   76   77   77   78   78   79   30   80   80   81   82   33   81   82   33   83   83   83   83   83   83   84   84   84   84   84   84   84   85   86   86   87   88   88   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89   89 <td< td=""><td></td><td></td><td></td><td>▙</td><td>╄</td><td>├</td><td><u> </u></td><td>-</td><td><u> </u></td><td>⊢</td><td></td><td></td><td></td><td>69</td><td>╟</td><td><math>\vdash</math></td><td></td><td></td><td></td><td></td><td><u> </u></td><td></td><td></td><td></td><td></td></td<> |       |          |               | ▙            | ╄            | ├        | <u> </u>     | -                                                | <u> </u> | ⊢        |          |   |     | 69       | ╟                                                                          | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   | <u> </u> |          |                |   |     |
| 22   3   72   73   74   74   75   75   76   77   77   77   78   77   78   79   78   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79   79                                                                                                                                                                                                                                                                                                        |       | 20       | ┢             | ┡            | ┢            | ┢        |              | -                                                | -        | <u> </u> |          |   |     | 70       | ╙                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |          |   | -        | _        |                |   |     |
| 23   73   74     25   75   75     26   76   77     27   77   78     28   79   80     30   80   81     31   81   82     33   83   83     34   84   83     35   85   86     36   86   87     38   88   89     40   90   90     41   91   91     42   92   93     43   94   94     44   94   95     46   96   97     48   98   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | 21       |               | ⊩            | ⊢            | ├        | -            |                                                  |          | -        |          |   |     |          | ₽                                                                          | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |   | _        |          |                |   |     |
| 24   74   75     26   76   77     28   77   78     29   79   80     30   80   81     31   81   82     33   83   83     34   84   84     35   85   86     37   88   88     39   89   90     41   91   91     42   92   93     43   94   94     44   95   96     47   97   98     48   98   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | 22       | Н             | ╙            | ┼            | ├        | ⊢            | <u> </u>                                         | <u> </u> | -        |          |   |     | 72       | ╨                                                                          | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _        | $\dashv$ |   | _        | Н        |                |   |     |
| 25   75     26   76     27   77     28   77     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97     48   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | 24       | Н             | -            | ╁            | ┢        |              |                                                  | ┝        |          | -        |   |     | 74       | ╟                                                                          | ╆                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          | -        |   |          | $\vdash$ | -              |   |     |
| 26   76   77     28   77   78     29   79   80     30   81   82     33   84   82     35   85   85     36   87   88     37   88   88     39   89   90     40   90   91     41   91   92     43   94   95     46   96   97     48   98   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | 25       | Н             | +            | ╁            | ┢        | -            |                                                  | ⊢        |          | -        | 1 |     |          | ╟                                                                          | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$ | -        |   |          |          |                |   |     |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | 26       | ┥             | ╁╌           | $\vdash$     | $\vdash$ | <del> </del> | _                                                | $\vdash$ |          | -        |   |     | 76       | ╫╴                                                                         | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          | _        |   |          |          |                |   | -   |
| 28       78       79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | 27       | H             | ┢            | ┼            | -        | -            | <u> </u>                                         |          |          | $\vdash$ |   | -   | 77       | +                                                                          | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |   | _        |          | _              |   |     |
| 29 79   30 80   31 82   33 82   33 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 94   44 94   45 96   47 97   48 98   49 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          | H             | t            | ┢            | -        |              | -                                                |          |          | $\vdash$ |   |     | 78       | ╫                                                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | H        |          | - | -        | Н        |                |   |     |
| 30   80     31   81     32   82     33   83     34   83     35   85     36   86     37   88     39   88     40   90     41   91     42   92     43   93     44   94     45   96     47   97     48   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 29       | Н             | t            | $\vdash$     |          |              | $\vdash$                                         | _        |          | _        |   |     | 79       | t                                                                          | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -        |          |   |          | Н        |                |   |     |
| 31 81   32 82   33 83   34 84   35 86   37 88   38 88   39 88   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 98   49 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -     | 30       | H             | $\vdash$     | $\vdash$     | ┢        |              | <del>                                     </del> |          |          | $\vdash$ |   |     | 80       | ۳                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   | -   |
| 32 82   33 83   34 84   35 85   36 86   37 88   38 87   38 88   39 90   41 91   42 92   43 93   44 94   45 96   47 98   48 98   49 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       | 31       | H             | T            | T            | T        | H            |                                                  | _        |          | ┢        |   |     | 81       | ۲                                                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 33   83     34   84     35   85     36   86     37   88     38   87     39   88     40   90     41   91     42   92     43   93     44   94     45   96     46   96     47   98     48   99     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 32       | H             | 1            |              | T        |              |                                                  |          | H        |          |   |     | 82       | $\dagger$                                                                  | Т                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | М                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _        |          |   |          |          |                |   |     |
| 34 84   35 85   36 86   37 88   38 88   39 88   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 98   49 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       | 33       | H             | Т            |              | <u> </u> |              |                                                  | _        |          |          | ĺ |     |          | Ħ                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | $\neg$   |   |          | _        |                |   |     |
| 35 85   36 86   37 88   38 87   39 88   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 98   49 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | 34       | П             | T            |              | Г        |              |                                                  |          |          |          |   |     |          | IT                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                | ' |     |
| 37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 35       | П             |              | Π            |          |              |                                                  |          |          |          |   |     | 85       |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 36_      | $\Box$        |              |              |          |              |                                                  |          |          |          |   |     | 86       |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |          |               |              |              |          |              |                                                  |          |          |          |   |     | 87       |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 40   90   91   91   92   92   93   93   94   94   95   95   96   96   97   97   98   99   99   99   99   99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |          | Ц             |              | L            |          |              |                                                  |          |          |          |   |     | 88       |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 41   42   43   44   45   46   47   48   49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | 39_      | Ц             | 丄            | <u> </u>     | L        |              |                                                  | L        |          | L        |   |     | 89       | Т                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |   |          |          |                |   |     |
| 42   43   44   45   46   47   48   49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       | 40       | Ц             |              | L            | _        |              | _                                                |          | L        |          |   |     | 90       | 1                                                                          | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $oxed{oxed}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |          |   |          |          |                |   |     |
| 43 93   44 94   45 95   46 96   47 97   48 98   49 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          | Ц             | <u> </u>     | <u> </u>     | L_       |              | _                                                |          | _        |          |   |     |          | 4                                                                          | ╄                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{le}}}}}}$ |          |          |   |          |          |                |   |     |
| 44 94   45 95   46 96   47 97   48 98   49 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | 42       | Н             | ▙            | _            | _        |              | L                                                | _        | <u> </u> |          |   |     |          | 4                                                                          | ┺                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _        |          | _ |          | _        |                |   |     |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | _     |          | Н             | ├-           | <u> </u>     |          | _            |                                                  |          | L.       | <u> </u> |   |     | 93       | 4                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | _        |   |          |          |                |   |     |
| 46     96     97                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | 44       | ${\sf H}$     | <u> </u>     | ₽-           | 1        | $\vdash$     | $\vdash$                                         | _        | Щ        | <u> </u> |   |     |          | 4                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -        | _        | _ |          | Щ        | Щ              |   |     |
| 47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -     | 45       | $\dashv$      | ┼—           | -            | $\vdash$ |              |                                                  | <u> </u> | Н        | $\vdash$ |   |     | 95       | $\dashv$                                                                   | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\dashv$ | $\dashv$ | _ |          | $\sqcup$ |                |   |     |
| 48 49 99 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -     |          | ${\mathbb H}$ | ├            | ₩-           | <u> </u> | $\vdash$     | -                                                | -        | <u> </u> | $\vdash$ |   |     |          | 1                                                                          | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          | _ |          |          |                |   |     |
| 49 1 99 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | 4/       | ${\mathbb H}$ | +            | ₩-           | $\vdash$ | <u> </u>     |                                                  | -        | $\vdash$ | -        |   |     | 9/       | +                                                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ш                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -        |          | _ |          |          | $\vdash$       |   |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |          | H             | <del> </del> | +-           | -        | $\vdash$     |                                                  | _        | Н        | H        |   |     | 90       | +                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$ |          | _ |          | $\vdash$ | $\vdash\vdash$ |   |     |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 50       | _             | $\vdash$     | ┢            | $\vdash$ | Н            | $\vdash$                                         |          | $\vdash$ |          |   |     |          |                                                                            | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | $\dashv$ | _ | -        | $\vdash$ | $\vdash$       |   |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | 50       | Ľ.            | Ц_           |              | <u> </u> |              |                                                  |          | ш        |          | 1 |     | 100      | -                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | لـــا                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |   |          |          |                |   | L . |

| Cla      | aim                                           |              |          |          |          | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |                 |
|----------|-----------------------------------------------|--------------|----------|----------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------|
|          | _                                             | 9/2/3        |          |          | Г        | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | П               |
| a        | Original                                      | إزا          |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
| Final    | ġ                                             | 35           | 1        |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | l        |                 |
| ш        | ŏ                                             | 64           |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
| ļ        | 101                                           |              | $\dashv$ | _        | ⊢        | ļ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u> | ┡        | Н               |
|          | 101                                           | -            | $\dashv$ |          | <u> </u> | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _        | <u> </u> | Н               |
|          | 102<br>103                                    | Ш            | _        |          | _        | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ļ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u> | <u> </u> | Ш               |
|          | 103                                           | Ш            | _        |          | _        | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u> | _        |                 |
|          | 104<br>105                                    | Ш            |          |          |          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | L.       |          | Ш               |
| <u> </u> | 105                                           | Ш            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          | Ц               |
|          | 106                                           | Ш            |          |          |          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | L        | Щ               |
|          | 107                                           | Ш            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 108                                           | Ш            |          |          | L        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | Ш               |
|          | 109                                           | Ш            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 110                                           | Ш            |          |          | L        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 110<br>111                                    |              |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 112                                           | П            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 113                                           |              |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 113<br>114<br>115                             |              |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | Γ        | П               |
|          | 115                                           | П            | $\Box$   |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | П               |
|          | 116                                           | Щ            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | Г        | $\Box$          |
|          | 117                                           | Ш            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Т        | Г        | $\sqcap$        |
|          | 118                                           | Н            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | $\vdash$ | П               |
| -        | 119                                           | H            |          | _        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | Н               |
|          | 120                                           | Н            | $\dashv$ |          | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -        | -        | Н               |
|          | 121<br>122<br>123                             | Н            | _        |          | _        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$ |          | Н               |
|          | 122                                           | Н            | -        |          | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | -               |
|          | 122                                           | Н            | $\dashv$ |          | _        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | _        | _               |
| -        | 123                                           | Н            | $\dashv$ |          | _        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | H        |          |                 |
|          | 124<br>125<br>126<br>127<br>128<br>129<br>130 | Н            | $\dashv$ |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$ | _        | -               |
|          | 120                                           | H            | $\dashv$ |          | _        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _        | -        |                 |
|          | 120                                           | +            | $\dashv$ |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _        | _        |                 |
| -        | 127                                           | 44           | $\dashv$ | _        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | <u> </u> |                 |
|          | 128                                           | Н            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _        | _        |                 |
|          | 129                                           |              | 4        |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | <u> </u> |                 |
|          | 130                                           | Ш            | _        |          |          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _        |          |                 |
|          | 131                                           | Ш            | _        |          |          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _        |          | Щ               |
|          | 132<br>133                                    | Ш            | _        |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | Ш               |
|          | 133                                           | Ш            |          |          |          | L_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Щ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L        | L        | Ш               |
|          | 134                                           | Ш            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Ш                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ш        | Ш        | Ш               |
|          | 135<br>136                                    | Ш            |          |          |          | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{le}}}}}}$ | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ |          |          | Ш               |
|          | 136                                           | Ш            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | لطا                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          | Ш               |
|          | 137                                           | $oxed{\Box}$ |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | Ш               |
|          | 138<br>139                                    | ot           |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 139                                           | $\Box$       | $\Box$   |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 140                                           | $\Box$       |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 141                                           |              |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 142                                           |              |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          |                 |
|          | 143                                           |              | $\neg$   |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | П               |
|          | 144                                           | П            |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | П               |
|          | 145                                           | $\sqcap$     | _        |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _        |          | Н               |
|          | 146                                           | H            | 1        |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |          | Н               |
|          | 147                                           | ╁            | $\dashv$ | $\dashv$ |          | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\vdash$ | Н        | Н               |
|          | 148                                           | <b>┤</b> ╂   | -+       | $\dashv$ |          | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | -        | Н               |
|          | 149                                           | H            |          | $\dashv$ |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          | $\dashv$        |
|          | 150                                           | 1            |          | -        |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          | _        | $\vdash \vdash$ |
|          | 130                                           | <u> </u>     | 1        |          |          | نىك                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | L        | Ш               |

| ndex of Claims (continued)                                             | Application No. | Applicant(s)     |
|------------------------------------------------------------------------|-----------------|------------------|
| 123101   1311 60110 01111   18011 01011 01011 01013   11011 11011 1001 | 10/674,431      | LANCASTER ET AL. |
|                                                                        | Examiner        | Art Unit         |
| 18618                                                                  | John Sipos      | 3721             |

| √ | Rejected | _ | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | ÷ | Restricted                     | ı | Interference | 0 | Objected |

| Cla   | aim      |           |                                                                             | Dat                | e                   |                 |          | Cla       | aim      |                 | -               |          | Date              |              |          |                    |          | Cla   | aim      |          |                     |          | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ate      | е        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _        |
|-------|----------|-----------|-----------------------------------------------------------------------------|--------------------|---------------------|-----------------|----------|-----------|----------|-----------------|-----------------|----------|-------------------|--------------|----------|--------------------|----------|-------|----------|----------|---------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|       | -        | 9         |                                                                             |                    | 1                   |                 |          |           | _        | 9               |                 |          |                   |              |          |                    |          |       | -        |          |                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| Final | Original | _         |                                                                             |                    |                     |                 |          | ब्र       | Original | 3/2/2           |                 |          |                   |              |          |                    |          | ā     | Original |          |                     | [        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| 证     | ij       | 37        |                                                                             |                    |                     |                 |          | Final     | j.Ē      | 1               |                 | - 1      |                   |              |          |                    |          | Final | ij       |          | lΙ                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          | ļ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|       | 0        | 54        |                                                                             |                    | 1 1                 | 1               |          |           | 0        | 04              |                 |          |                   |              | 1        |                    |          | _     | 0        |          | 1 1                 |          | - 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |          |          | ı                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|       | 151      | ج         |                                                                             | $\dashv$           | +                   | $\neg$          |          | <b> </b>  | 201      | *               | $\vdash$        | -        | ╁                 | $\dashv$     | 十        | +                  |          |       | 251      | $\vdash$ | $\Box$              | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |          |          | 一                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | г        |
|       | 152      | 'n        |                                                                             | $\neg$             | $\vdash$            |                 |          | <b></b> - | 202      | T               | -               |          | $\vdash$          | -            | +        | +                  | 1        |       | 252      | $\vdash$ | ┝═┤                 | ┪        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $\dashv$ | ┢        | $\vdash$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $\vdash$ |
|       | 153      | Н         | -                                                                           |                    | +                   | -               |          | -         | 203      | Н               | $\vdash$        | +        | +                 | $\dashv$     | $\dashv$ | +-                 | F        |       | 253      | -        | <del>   </del>      | $\dashv$ | -+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $\dashv$ | -        |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ۲        |
|       | 154      | Н         |                                                                             |                    | $\vdash$            |                 |          | -         | 204      | ╫               | $\vdash$        |          | +                 | $\dashv$     |          | +                  | ŀ        |       | 254      | -        | Н                   | $\dashv$ | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        | $\vdash$ | $\dashv$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _        |
|       | 155      | ╫         | +                                                                           |                    | H                   |                 |          |           | 205      | 7               | ╁               | $\dashv$ | $\vdash$          | $\dashv$     | +        | +                  | ŀ        |       | 255      | $\vdash$ | <del>├─</del> ┤     | $\dashv$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          | $\vdash$ | $\vdash$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
|       | 156      | ╫         | <del></del>                                                                 |                    | $\vdash$            | $\rightarrow$   | $\dashv$ | -         | 206      | <del>  ′-</del> | $\vdash$        | +        | $\vdash$          | $\dashv$     | +        | +                  | ŀ        |       | 256      | ⊢        | $\vdash\vdash$      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 157      | Н         | $\rightarrow$                                                               | +                  | $\vdash$            |                 | $\dashv$ | -         | 207      | -               |                 | +        | H                 | $\dashv$     | +        |                    | ŀ        |       | 257      | -        | Н                   | -        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -        |          | $\vdash$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -        |
|       | 158      | Η-        |                                                                             | -                  | ╁                   |                 |          | -         | 208      | ┝               | $\vdash$        | -        | $\vdash$          | +            | -        |                    | -        |       |          | $\vdash$ |                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _        |
|       | 159      | ₩         | ++                                                                          |                    | +                   |                 |          | -         |          | $\vdash$        | $\vdash$        | +        | $\vdash$          | -            |          | +                  | -        |       | 258      |          | $\vdash$            | -        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -        |          | $\dashv$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       |          | Ш         | ++                                                                          |                    | H                   | <del></del>     |          | -         | 209      | $\vdash$        | $\vdash$        | _        |                   | $\dashv$     | -        |                    | -        |       | 259      | <u> </u> |                     | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _        | _        | $\dashv$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _        |
|       | 160      | Ш         |                                                                             | _                  | $\vdash$            |                 | _        | <u> </u>  | 210      | -               | -               |          | $\vdash$          | -            | _        | 4                  | -        |       | 260      | _        | Ш                   | _        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $\dashv$ | Щ        | _        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _        |
|       | 161      | #-        | $\dashv$                                                                    | +                  |                     |                 | $\dashv$ | L         | 211      | <u> </u>        | $\vdash \vdash$ | _        | $\vdash$          | +            | 4-       | +                  | - }      |       | 261      | H        | Ш                   | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |          |          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 162      | ш         | $\dashv$                                                                    | -                  | $\vdash$            |                 | $\dashv$ |           | 212      |                 | $\vdash \vdash$ |          | $\vdash \vdash$   | $\dashv$     | - -      | +                  | -        |       | 262      | L        | $\sqcup$            | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        | Щ        | Щ        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 163      | Ш         | $\dashv$                                                                    |                    |                     |                 |          | <u> </u>  | 213      | <u> </u>        | $\vdash \vdash$ | +        | $\vdash$          | 4            |          | +                  | Ļ        |       | 263      | Ш        | $\sqcup$            | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        | Щ        | Щ        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 164      | Ш         |                                                                             | - -                | $\sqcup$            | _               | $\dashv$ | <u> </u>  | 214      | ╙               | oxdot           |          | $\sqcup$          | _            | $\bot$   | $\perp$            | -        |       | 264      | L_       | $\sqcup$            | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        | Щ        | Щ        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 165      | Щ         | $\dashv \dashv$                                                             |                    | $\sqcup$            |                 | _        |           | 215      | L               |                 |          | $\vdash$          | _            |          | $\bot$             | L        |       | 265      |          | $\sqcup$            | $\dashv$ | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |          |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 166      | Ш         | $\dashv \dashv$                                                             |                    | $\sqcup$            |                 | _        |           | 216      | igspace         | $\sqcup \bot$   |          | $\sqcup$          | $\perp$      | $\perp$  | $\perp \downarrow$ | Ĺ        |       | 266      |          | Ш                   | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 167      | Ш         | $\bot$                                                                      |                    | $\perp$             | $\bot$          |          |           | 217      |                 | $\sqcup$        |          | Щ                 | $\perp$      | $\perp$  | $oldsymbol{\perp}$ | L        |       | 267      |          | Ш                   | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 168      | Ш         |                                                                             |                    | Ш                   |                 |          | L         | 218      |                 |                 |          | Ш                 | $\perp$      |          | Ш                  | L        |       | 268      |          |                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 169      |           |                                                                             |                    |                     | _               |          |           | 219      |                 |                 |          |                   |              |          |                    |          |       | 269      |          |                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 170      |           |                                                                             |                    |                     |                 | _        |           | 220      |                 |                 |          |                   |              |          |                    |          |       | 270      |          |                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 171      |           |                                                                             |                    |                     |                 |          |           | 221      |                 |                 |          | Π                 |              |          |                    | Γ        |       | 271      |          |                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 172      | П         |                                                                             |                    | П                   |                 |          |           | 222      |                 |                 |          |                   |              |          | П                  |          |       | 272      |          | $\Box$              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          | П                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|       | 173      | П         | $\neg \neg$                                                                 |                    | П                   |                 |          |           | 223      |                 | $\Box$          | $\neg$   | П                 |              | $\neg$   | $\top$             |          |       | 273      |          | П                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          | $\exists$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _        |
|       | 174      | П         |                                                                             | $\neg \vdash$      |                     |                 |          |           | 224      |                 |                 | $\top$   | П                 | $\neg$       | ┰        | $\top$             |          |       | 274      |          | П                   |          | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |          | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 175      | П         |                                                                             |                    |                     |                 |          |           | 225      |                 |                 |          | П                 | $\top$       |          | $\top$             | Ī        |       | 275      |          | $\Box$              | 寸        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          | ヿ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 176      | $\top$    |                                                                             | _                  | Ħ                   |                 |          |           | 226      |                 |                 |          |                   | _            | $\top$   | $\top$             | r        |       | 276      |          | $\Box$              | 一        | ヿ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |          |          | ┪                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 177      | П         |                                                                             |                    | Ħ                   |                 | $\neg$   |           | 227      |                 | $\Box$          |          | П                 | $\top$       | $\top$   | $\top$             | Ī        |       | 277      |          | $\Box$              | T        | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |          | 寸                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 178      | $\top$    |                                                                             | 1                  | П                   |                 |          |           | 228      |                 |                 | $\top$   | H                 | $\top$       | $\top$   | <b>T</b>           | ı        |       | 278      | _        |                     | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $\dashv$ |          | 寸        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 179      | $\Box$    | $\dashv$                                                                    | 1                  | $\Box$              |                 |          |           | 229      |                 |                 | i i      | 1 1               | $\top$       | $\neg$   | 1                  | f        |       | 279      |          | П                   | T        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | $\neg$   |          | _        | 十                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 180      |           | 1+                                                                          | 十一                 |                     | $\top$          | $\dashv$ |           | 230      | _               | -               | $\dashv$ | $\vdash$          | _            | _        | +                  | ŀ        |       | 280      | _        | $\vdash$            | -        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $\dashv$ |          |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 181      | $\forall$ | ++                                                                          |                    | Ħ                   | +               | -        |           | 231      | _               | $\vdash$        |          | $\vdash$          | -+           | +        | +                  | ŀ        |       | 281      | 1        | $\dashv$            | 寸        | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ᆎ        | -        | -        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | —        |
|       | 182      | $\forall$ | $\dashv$                                                                    | +                  | 1                   | +               | _        | $\vdash$  | 232      | -               | -               |          | $\vdash$ $\dashv$ | ┰            | +        | +                  | H        |       | 282      | _        | $\vdash$            | $\dashv$ | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | $\neg$   | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 183      | ╫         | $\dashv$                                                                    | -                  | t                   | $\dashv$        | $\dashv$ | $\vdash$  | 233      | _               | -               |          | $\vdash$          | +            | +        | +                  | ŀ        |       | 283      |          | $\vdash$            | $\dashv$ | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 184      | +         | +                                                                           | +                  | ╁┯┼                 |                 | $\dashv$ | +-        | 234      | $\vdash$        | +               | +        | $\vdash$          | +            | +        | +                  | ┝        |       | 284      | $\vdash$ | $\vdash$            | -+       | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -        | -        | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 185      | +         | ++                                                                          | +                  | ╁┼                  | $\dashv \dashv$ |          | $\vdash$  | 235      | $\vdash$        | $\vdash \vdash$ |          | <del>   </del>    | +            | +        | +                  | $\vdash$ |       | 285      | $\vdash$ | $\vdash \vdash$     | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $\dashv$ | -        | -+       | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|       | 186      | +         | ++                                                                          | +                  | ╁┼                  | +               | $\dashv$ | $\vdash$  | 236      | $\vdash$        | $\vdash +$      | +        | $\vdash$          | +            | +        | +                  | $\vdash$ |       | 286      | $\dashv$ | $\vdash$            | +        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -        | -        | -        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| -     | 187      | ++        | -   -                                                                       | +                  | 1 +                 | -H              | $\dashv$ | $\vdash$  | 237      | H               | -               | +        | $\vdash$          | +            | +        | +                  | H        |       | 287      |          | $\vdash$            | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | -        |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 188      | H         | ++-                                                                         |                    | ╁┼                  | +               | $\dashv$ | H         | 238      | Н               | -               | +-       | $\vdash$          | +            | -        | +                  | -        |       |          | -        | $\vdash \vdash$     | +        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | -        |          | -+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _        |
|       |          | H         |                                                                             |                    | ╁┼                  | +               | $\dashv$ | $\vdash$  |          | Н               | -+-             |          | ┝╌┼               | +            | +        | ┽┥                 | -        |       | 288      | $\vdash$ | $\vdash$            |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |          |          | -+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _        |
|       | 189      | +         | ++                                                                          | +                  | <del>├</del>        | $\dashv$        | $\dashv$ | $\vdash$  | 239      |                 |                 | -        | ┝                 | +            | +        | ┼┤                 | -        |       | 289      | -        | $\vdash \downarrow$ |          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | $\dashv$ | -        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _        |
|       | 190      | +         |                                                                             | +-                 | $\mapsto$           | $\dashv$        | 4        | $\vdash$  | 240      | Н               |                 | -        | $\vdash$          | +            | +        | +                  | -        |       | 290      | $\sqcup$ | $\vdash \dashv$     |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _        |
|       | 191      | H         | +                                                                           | +                  | $\vdash \downarrow$ | $\dashv$        | $\dashv$ | $\vdash$  | 241      | Н               | $\vdash$        | $\perp$  | $\vdash \vdash$   | $\dashv$     |          | +                  |          |       | 291      |          | $\sqcup$            | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |          | _        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 192      | $\sqcup$  |                                                                             | -                  | ⊢                   | $\dashv$        | $\dashv$ | $\vdash$  | 242      | Ш               | $\perp$         |          | $\vdash$          | _            | 4        | ┦                  | L        |       | 292      |          | $\sqcup$            |          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|       | 193      | $\sqcup$  |                                                                             | +-                 | $\vdash \vdash$     |                 | _        | $\square$ | 243      | Щ               |                 | $\perp$  | $\sqcup$          | _            | _        | Ш                  | L        |       | 293      |          | ļ                   |          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |          | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|       | 194      | 41        | $-\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$ | $\perp$            | $\sqcup$            |                 |          | $\perp$   | 244      |                 | _               |          | $\sqcup$          |              | $\perp$  | $\bot$             | L        |       | 294      |          | $\sqcup$            | $\perp$  | $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |          | _        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 195      | Ш         | $\bot$                                                                      | 4_                 | $\sqcup$            |                 |          |           | 245      |                 | $\perp$         |          | Ш                 | $\perp$      | _ _      | $\perp \perp$      | L        |       | 295      |          | $\sqcup$            |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          | $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
|       | 196      | Ш         | $\perp \perp \perp$                                                         | $oldsymbol{\perp}$ | $\Box$              |                 |          |           | 246      |                 |                 |          |                   |              |          |                    |          | ]     | 296      |          |                     | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$ | $\Box$   |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$ |          |
|       | 197      | Ш         | $\perp \perp$                                                               | $\perp$            | $\coprod$           |                 |          |           | 247      |                 |                 |          | $\Box$            | $oxed{\Box}$ |          | $\Box$             | ſ        |       | 297      |          |                     |          | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|       | 198      | Ш         | $\bot \bot \Box$                                                            |                    | LΤ                  |                 |          |           | 248      |                 | T               |          |                   |              |          |                    | Γ        |       | 298      |          | П                   | $\neg$   | $\neg$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ヿ        |          |          | П                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _        |
|       | 199      | $\prod$   |                                                                             | $I^{-}$            |                     |                 |          |           | 249      |                 |                 | T        |                   | Т            | Т        | $\Box$             | Γ        |       | 299      |          |                     | $\neg$   | $\neg$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 寸        |          | $\neg$   | $\exists$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _        |
|       | 200      | Ł         |                                                                             | T                  |                     |                 |          |           | 250      |                 |                 | T        |                   | T            |          | T                  |          |       | 300      |          |                     | $\dashv$ | 寸                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | T        |          |          | $\exists$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _        |
|       |          |           |                                                                             |                    |                     |                 |          |           |          |                 |                 |          |                   |              |          |                    |          |       |          |          |                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |